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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/006,547	12/04/2001	Shigetoshi Abe	ABE ET AL-2	2636
25889 7	590 . 03/11/2003			
WILLIAM C		EXAMINER		
	ERN BOULEVARD		ALCALA, JOSE H	
ROSLYN, NY 11576			ART UNIT	PAPER NUMBER
			2827	
			DATE MAILED: 03/11/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner	<u>,</u> 1						
## Disposition of Claims  ## Art Unit   Jose H Alcala   2827    - The MAILING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION Education of stree may be enabled under the provisions of 37 CFR 1.78(a), in no event, however, may a reply be timely filed If the period for reply specified action, the readminum statutory period will apply and will expend SIX (b) MXCVTRS from the realing date of this communication of the period for reply specified action, the realism statutory period will apply and will expend SIX (b) MXCVTRS from the realing date of this communication of the period for reply specified action, the realism of the month of the statutory period will apply and will expend SIX (b) MXCVTRS from the realing date of this communication, even if timely filed, may reduce any same plants town adjustment. See 37 CFR 1.76(b).  **Status**  1)			Application No.	Applicant(s)			
Jose H Akala   Jos			10/006,547	ABE ET AL.			
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under be processed of 3 CER 1.13(d). In no event, however, may a righty be timely filled to the processed of 3 CER 1.13(d). In no event, however, may a righty be timely filled in the processed of the status of 3 CER 1.13(d). In no event, however, may a righty be timely filled in the processed of the status of 3 CER 1.73(d). In the period for may be specified above its less than thirty (90) days, each of the status of the status of the status of the period for the status of the status		Office Action Summary	Examiner	Art Unit			
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THE MAILING DATE OF THIS COMMUNICATION.  Editariosis or the may be available under the provision of 3 CFR 1.13(6). In no event, however, may a raply be timely filed after SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (6) MONTHS from the mailing date of this communication.  Failure SX (7) which in the set or extended people date region by the state of the sample date of this communication.  Failure SX (7) Any poly recoved by the Official great than the non-limiting date of this communication, even if trindy filed, may reduce any SX (7) Any poly recoved by the Official great than the sample date of this communication, even if trindy filed, may reduce any SX (7) Any poly recovered by the Official great sample date of this communication, even if trindy filed, may reduce any SX (7) Any poly recovered by the Official great sample date of this communication, even if trindy filed, may reduce any SX (8) Any poly recovered by the Official great sample date of this communication, even if trindy filed, may reduce any SX (8) Any poly recovered by the			ears on the cover sheet with the c	orrespondence address			
2a)  This action is FINAL. 2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-3 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) is/are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on is/are: a) accepted or b  objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  11)  The proposed drawing correction filed on is: a) approved b  disapproved by the Examiner.  12)  The oath or declaration is objected to by the Examiner.  Priority under 35 U.S.C. §§ 119 and 120  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a)  All b)  Some * c)  None of:  1.  Certified copies of the priority documents have been received in Application No  3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  *See the attached detailed Office action for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  a)  The translation of the foreign language provisional application has been received.  15)  Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.  Attachment(s)	A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) ○ Claim(s)	1)[	Responsive to communication(s) filed on	<u> </u>				
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Attachment(s)  1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s) 5) Notice of Informal Patent Application (PTO-152)							
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	2) Notice	of Draftsperson's Patent Drawing Review (PTO-948)	5) Notice of Informal F	· · · · · · · · · · · · · · · · · · ·			

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claim 1, drawn to a method of making a printed circuit board, classified in class 29, subclass 829.
  - Claims 2-3, drawn to a printed circuit board, classified in class 174, subclass 262.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the product as claimed can be made by another and materially different process, such as by using laser to cut the through-hole instead of drilling.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.
- 4. Because these inventions are distinct for the reasons given above and the search required for Group I is not required for Group II, restriction for examination purposes as indicated is proper.

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5. A telephone call was made to Collard & Roe on 9/23/02 to request an oral

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election to the above restriction requirement, but did not result in an election being

made.

Applicant is advised that the reply to this requirement to be complete must

include an election of the invention to be examined even though the requirement be

traversed (37 CFR 1.143).

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jose H Alcala whose telephone number is (703) 305-

9844. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Talbott can be reached on (703) 305-9883. The fax phone numbers

for the organization where this application or proceeding is assigned are (703) 305-3431

for regular communications and (703) 305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or

proceeding should be directed to the receptionist whose telephone number is (703) 308-

0956.

JHA

February 26, 2003

WKAMAND CUNEO

SUPERVISORY PATENT EXAMINER

**TECHNOLOGY CENTER 2800**